



# AICON Dispatch

## Dispatch Smarter with End-to-End Intelligence

**AICON Dispatch** is a cutting-edge Equipment Management and Control Solution designed to optimize scheduling, dispatching, and routing within container terminals. By harnessing the power of AI/ML and Operations Research, AICON Dispatch assesses container handling operations continuously to deliver unmatched efficiency of critical equipment without the hardships of micromanagement.

### Let Efficiency Drive More Cargo

#### Intelligent Job Assignment

AICON Dispatch intelligently assigns container move jobs to the appropriate equipment, including yard-based container handling equipment (CHEs), Prime Movers, and Ship to Shore Cranes. It ensures precise sequencing, timing, and allocation of specific jobs, optimizing operational efficiency.

#### Optimize Required Resources

AICON Dispatch defines the number of required equipment and their specific locations in the yard, for the upcoming working shifts ensuring that both labor and equipment are efficiently scheduled to complete all necessary tasks, including vessel load, discharge, gate receipt, deliveries, rail load, and discharge.

#### Seamless Integration

AICON Dispatch provides direct integration with various Yard Equipment manufacturers to optimally distribute Work Instructions to all active CHEs in real-time, allowing seamless connectivity and collaboration for streamlined operations.

#### Dynamic Equipment Pooling

With support for various pooling options for Prime Movers and dispatching, AICON Dispatch enables efficient utilization of resources while reducing congestion and waiting times.

Exceed the Past.  
Shape the Future.

5 - 30 %

INCREASED CHE/PM  
PRODUCTIVITY AND  
UTILIZATION



10 - 50 %

REDUCTION IN CHE/  
QC WAIT TIMES



30 - 70 %

REDUCE PM UNLADEN  
TRAVEL TIME



#### Multi-Lift Support

AICON Dispatch facilitates multi-lift equipment moves, including twin, quad, and tandem lifts, enabling efficient handling of multiple containers in a single operation.

#### Yard Crane Optimization

By enabling double cycling of Yard Cranes (ASCs, RMGs) and offering opportunistic tailgate moves for blocks with multiple cranes, AICON Dispatch maximizes the productivity of crane operations.



## Turn Moves per Hour into Profitable Advantages

### Enhance Productivity and Utilization

- Increases the productivity and utilization of CHEs ensuring optimal resource allocation, minimizing downtime and enabling continuous operational flows.

### Increase HTE Utilization

- Minimizes the number of required horizontal transport equipment, ensuring that resources are used where they are most needed without redundancy.

### Reduce Travel Time and Congestion

- Improves operational efficiency by intelligently assigning jobs and optimizing routing to reduce travel time, unladen travel distances and congestion.

### Increase Vessel Productivity

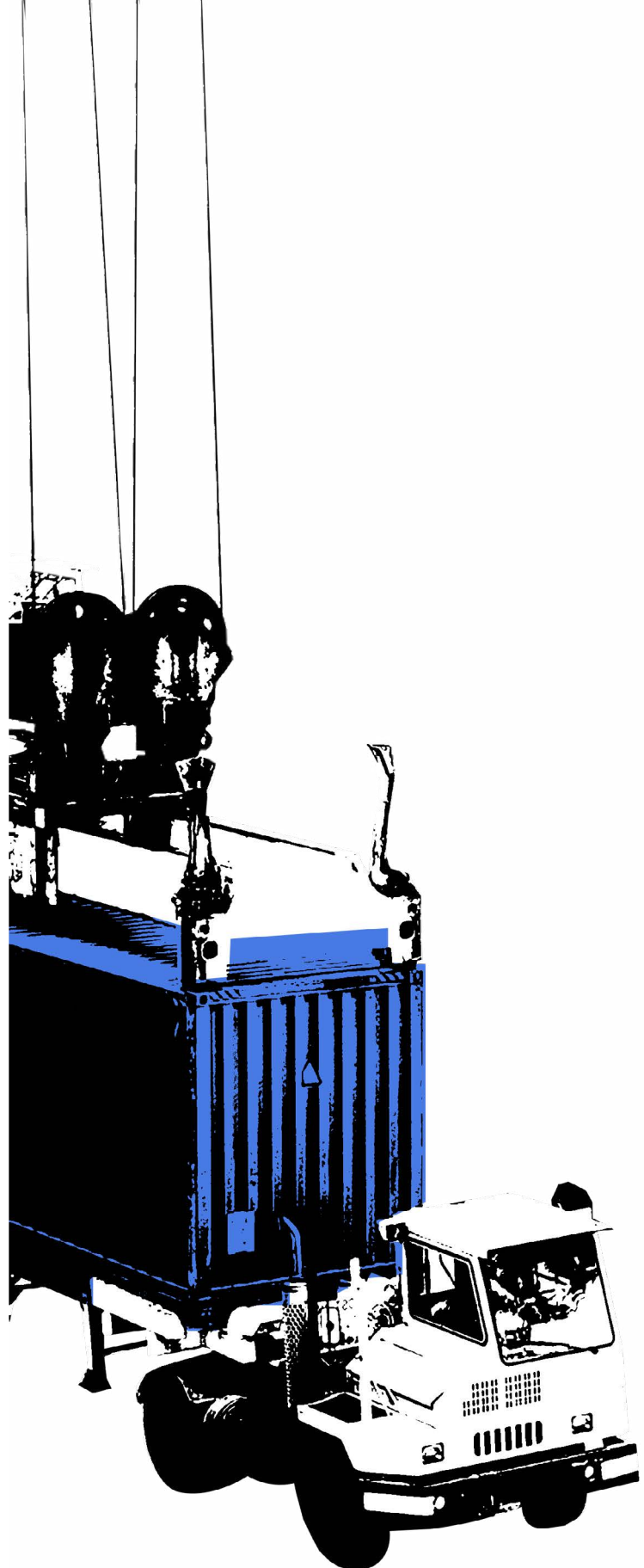
- Enhances vessel productivity by reducing QCs' hanging-hook times during discharge and loading operations, providing more efficiency.

### Faster Turnaround Times

- Streamlines equipment management and accelerates vessel and truck turnaround times, enhancing terminal performance and customer satisfaction as well as increasing new revenue opportunities.

### Cost Reduction and Lower Emissions

- Helps lower costs associated with fuel, equipment maintenance, and idle time, contributing to reduced emissions and environmental sustainability.



For more information contact:

[sales@avlino.com](mailto:sales@avlino.com)

[www.avlino.com](http://www.avlino.com)

